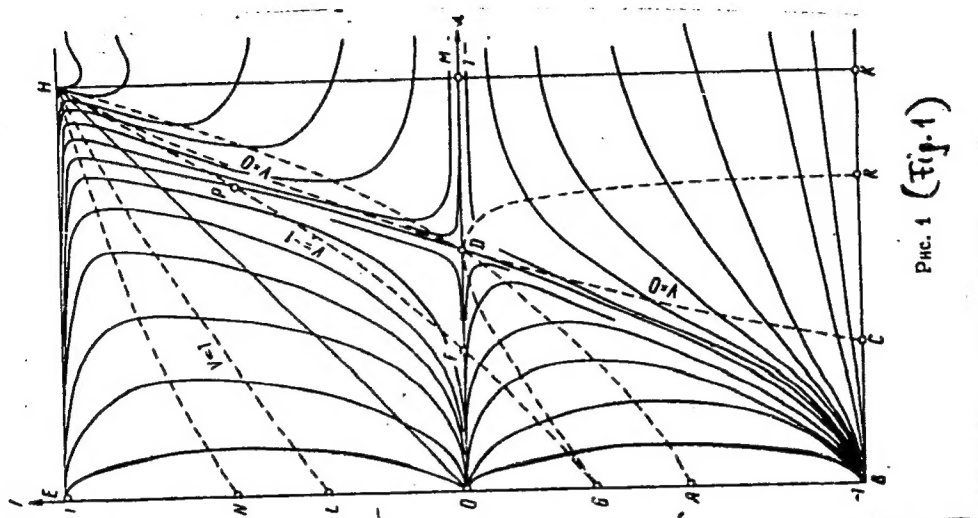


88401

S/020/61/136/004/007/026
B019/B056



Card 4/4

23806

S/020/61/138/001/010/023
3104/3201

10.2000

also 1103, 1121, 1502

AUTHOR:

Skripkin, V. A.

TITLE:

Exact solution of equations of one-dimensional relativistic hydrodynamics with a jump in the transformation of the residual mass of substance

PERIODICAL: Doklady Akademii nauk SSSR, v. 138, no. 1, 1961, 81-83

TEXT: In a previous paper (DAN, 127, no. 2, 1959) the author has written the algebraic integral of the relativistic equations of motion of an ideal continuous medium:

$$\frac{\partial}{\partial x^k} [(\varepsilon + p) u^k u^h - \delta^{kh} p] = 0, \quad (A)$$

$$\frac{\partial}{\partial x^k} (p u^k) = 0 \quad (i, k = 0, 1, 2, 3),$$

Here ε denotes the internal rest energy of the unit volume of the medium, p is the pressure, ρ the residual rest density, and u^i the four-velocity of the particles. The plane one-dimensional motion is examined, and

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$$\rho = ar^{-1}R(\lambda), \quad p = ac^2r^{-1}P(\lambda), \quad (1)$$

$$\frac{dr}{dt} = v = cV(\lambda), \quad \lambda = \frac{r}{ct},$$

is first obtained in accordance with the general theory of dimensions. Here, R, P, and V are dimensionless functions, r being the distance from the origin. In the case concerned there are three integrals giving a general solution of the plane problem of a progressive motion. If, in fact, the equation of state has the form $\varepsilon = \rho c^2 + p/(\gamma - 1)$, $\gamma = c_p/c_v$, the abovementioned integrals will have the forms: mass integral

$$R(V - \lambda)/\lambda \sqrt{1 - V^2} = a_1; \quad (2)$$

energy integral

$$P\left\{\left(\frac{R}{P} + \frac{\gamma}{\gamma - 1}\right)(\lambda - V) - \lambda(1 - V^2)\right\} / \lambda(1 - V^2) = a_2; \quad (3)$$

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and momentum integral

$$P \left\{ \left(\frac{R}{P} + \frac{\gamma}{\gamma-1} \right) V (\lambda - V) - 1 + V^2 \right\} / \lambda (1 - V^2) = a_3, \quad (4)$$

Here, a_1 , a_2 , and a_3 are dimensionless constants. From (2) - (4) the author obtains:

$$R = a_1 \lambda \sqrt{1 - V^2} / (V - \lambda); \quad (5)$$

$$P = a_1 (\gamma - 1) \frac{\lambda \sqrt{1 - V^2} (1 + b_2 \sqrt{1 - V^2})}{\lambda (\gamma - 1) V^2 - \gamma V + \lambda}; \quad (6)$$

$$\lambda = \frac{(1 - \gamma) \sqrt{1 - V^2} + b_2 (1 - \gamma - V^2) + b_3 \gamma V}{(1 - \gamma) V \sqrt{1 - V^2} + b_2 [(\gamma - 1) V^2 + 1] - b_3 \gamma V}, \quad (7)$$

where $b_2 = a_2/a_1$, $b_3 = a_3/a_1$. If $\lambda = \infty$ ($t = 0$), $V = 0$, $R = 1$, $P = 1$ (8) are taken as initial conditions, the $b_3 = 0$, $a_1 = -1$, $b_2 = -\gamma/(\gamma - 1)$, $a_2 = \gamma/(\gamma - 1)$, $a_3 = 0$, and the solution assumes near $\lambda = \infty$ (region I) the form

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$$R = \lambda \sqrt{1-V^2} / (\lambda - V); \quad (9)$$

$$P = (\gamma - 1) \frac{\lambda \sqrt{1-V^2} \left(\frac{\gamma}{\gamma-1} \sqrt{1-V^2} - 1 \right)}{\lambda (\gamma-1) V^2 - \gamma V + \lambda}; \quad (10)$$

$$\lambda = \frac{\gamma(\gamma-1) + \gamma V^2 - (\gamma-1)^2 \sqrt{1-V^2}}{\gamma^2 V - (\gamma-1)^2 V \sqrt{1-V^2}}. \quad (11)$$

X

This solution does not extend continuously as far as the symmetry center. To obtain the curve passing through the points $\lambda=0$ and $V=0$ from the general solution it is necessary to put $b_2 = -1$ in (7). It can be easily shown that the constants a_1 , a_2 , and a_3 in integrals (2) - (4) denote the flux of the residual mass, energy, and momentum through a discontinuity surface. Proceeding from relation

$$\frac{\rho_1 (v_1 - D)}{\sqrt{1-v_1^2/c^2}} = \frac{\rho_2 (v_2 - D)}{\sqrt{1-v_2^2/c^2}} + q, \quad v = cV(\lambda), \quad (12)$$

where D denotes the propagation rate of the discontinuity surface, and q

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is a physical characteristic of the process; (12) is written in reduced variables

$$a_1 \lambda^* = \frac{R_1(V_1 - \lambda^*)}{V_1 - V_1^2} = \frac{R_2(V_2 - \lambda^*)}{V_1 - V_1^2} + Q(\lambda^*) \lambda^*, \quad (13)$$

where λ^* is the value of λ in the jump, and

$$\lambda^* Q(\lambda^*) = \frac{R_1(P_1/R_1)}{V_1 - V_1^2}. \quad (14)$$

holds. If the motion is adiabatic on either side of the jump, then

$R_2(V_2 - \lambda^*) = \alpha_1 \lambda^* \sqrt{1 - V_2^2}$, where α_1 is an integration constant. By substituting α_1 , $\beta_2 = a_2/\alpha_1$, $\beta_3 = a_3/\alpha_1$ for the constants a_1 , b_2 , and b_3 , respectively, the author obtains on the basis of (13) $\alpha_1 = -a_2 = a_1 - Q(\lambda^*)$, from where it follows that

$$Q(\lambda^*) = a_1 + a_2 = \frac{1}{1 - V_1^2}, \quad a_2 = -\frac{1}{1 - V_1^2}, \quad \beta_3 = 0. \quad (15)$$

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If the gas properties change after passing through the discontinuity, then γ_1 must be substituted for γ in (7). Then, the following relations hold on the other side of the discontinuity (region II):

$$R = \frac{\gamma \lambda \sqrt{1 - V^2}}{(\gamma - 1)(\lambda - V)}; \quad (16)$$

$$P = \frac{\gamma(\gamma_1 - 1)\lambda \sqrt{1 - V^2}(\sqrt{1 - V^2} - 1)}{(\gamma - 1)[\lambda(\gamma_1 - 1)V^2 - \gamma_1 V + \lambda]}; \quad (17)$$

$$\lambda = \frac{(\gamma_1 - 1)(1 - \sqrt{1 - V^2}) + V^2}{V[\gamma_1 - (\gamma_1 - 1)\sqrt{1 - V^2}]}. \quad (18)$$

The velocity λ^* of the discontinuity surface can be determined from (14), taking (15) into account: $\lambda^* = V_1 + (\gamma - 1)f(P_1/R_1)$. The functions $V = V(\lambda)$, $P = P(\lambda)$, and $R = R(\lambda)$ presented in Figs. 1 and 2 for $\gamma = 7/5$ and $\gamma_1 = 5/3$ have been calculated with formulas (9) - (11) and (16) - (18). The solution obtained here corresponds, in nonrelativistic hydrodynamics to the following exact solutions of Euler equations:

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$$v = \frac{b}{\gamma + 1} (\lambda - \sqrt{\lambda^2 - 2(\gamma + 1)}), \quad p = \frac{a\lambda(\gamma + 1)}{r[\gamma\lambda + \sqrt{\lambda^2 - 2(\gamma + 1)}], \quad p = \frac{av}{l}; (19)$$

in region I, and

$$v = \frac{2}{\gamma_1 + 1} \frac{r}{l}, \quad p = \frac{a(\gamma_1 + 1)}{(\gamma_1 - 1)r}, \quad p = \frac{2ar}{(\gamma_1 + 1)l^2}, \quad (20)$$

in region II. There are 2 figures and 2 Soviet-bloc references.

ASSOCIATION: Matematicheskii institut im. V. A. Steklova Akademii nauk
SSSR (Institute of Mathematics imeni V. A. Steklov,
Academy of Sciences USSR)

PRESENTED: November 1, 1960, by L. I. Sedov, Academician

SUBMITTED: November 1, 1960

Card 7/8

S/040/63/027/001/012/027
D251/D308

AUTHOR: Skripkin, V.A.

TITLE: On a model of a dynamically strengthened continuous medium in the Mises-Reiss theory of plasticity

PERIODICAL: Prikladnaya matematika i mekhanika, v. 27, no. 1, 1963, 109-115

TEXT: A parameter χ_i is adopted to describe the dynamic strengthening of the medium. A Cartesian coordinate system is employed in the Euler sense, and, working with the variables σ_2' , χ , T , a singular solution of the Pfaffian is obtained, which is the envelope of a family of surfaces $\sigma_2' = H(\chi, T, \chi^*)$, where χ^* is the parameter of the family. If $A(\chi)$ and $L(\chi)$ are such that u is everywhere non-zero and monotonically increasing, it is evident that the medium described exhibits dynamic strengthening, and therefore, that in the plane of σ_{ij} there exist an infinite number of Mises neighborhoods dependent on T , χ and χ^* . A simplified relationship between yield point and speed of deformation is sought. For the elas-

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On a model of . . .

tic region, to the precision of a factor $1/P$,

$$c = \frac{1}{E} \rho_0 (1 + \nu), \quad f(\sigma) = \frac{1}{E} \rho_0 (1 - 2\nu) \sigma$$

where E is Young's modulus, ν is Poisson's coefficient, and ρ_0 is the initial density of the material. For the plastic region, following Reiss's theory, a set of equations is given but not solved. Using the second law of thermodynamics for reversible and irreversible media respectively, the internal energy is shown to be, for the elastic region

$$U = \frac{c}{2} \sigma_{ij}' \sigma_{ij}' + \frac{1}{3} \int \sigma f'(\sigma) d\sigma + \alpha \sigma T + \Phi(T), \quad \Phi(T) = \Psi(T) - T\Psi'(T) \quad (2.4)$$

where Ψ is an arbitrary function $\Psi = \Psi(T)$, and for the plastic region

$$U = \frac{cH(\lambda, T, \lambda^*)}{2} + \frac{1}{3} \int \sigma f'(\sigma) d\sigma + \Phi(T) + \sigma \alpha T - T \frac{\partial}{\partial T} [\varphi(\lambda, T) - \varphi(\lambda_0, T)] \quad (2.14)$$

where α is the factor which multiplies σ in the equation for the entropy.

SUBMITTED: October 31, 1962

Card 2/2

L 48806-65 JXT(BF)

ACCESSION NR: AP5007251

S/0280/65/000/001/0058/0064

AUTHOR: Gorelik, A. L. (Moscow); Skripkin, V. A. (Moscow)

TITLE: One method of solving the problem of classification of objects or phenomena

SOURCE: AN SSSR. Izvestiya. Tekhnicheskaya kibernetika, no. 1, 1965, 58-64

TOPIC TAGS: classification of objects

ABSTRACT: Indicators of objects or phenomena are expressed as an ordered set of definitive parameters; the latter vary either continuously or discretely, from one object to another, depending on the nature of the objects. Breaking up the objects into m classes is equivalent to singling out m regions in a $\lambda + \mu$ space. Successive statistical decisions, with an increasing number of indicators, are considered, and convergence of such a procedure is proven. Also, a method is suggested for evaluating the indicators of the items to be classified. More divisive

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ACCESSION NR: AP5007251

indicants must be used first when a time deadline is set for the process of classification. A principle for building a statistical classification model is formulated. Orig. art. has: 32 formulas.

ASSOCIATION: none

SUBMITTED: 30Apr64

ENCL: 00

SUB CODE: DP

NO REF SOV: 001

OTHER: 002

Card 2/2

L 2678-66 EWT(d)/EPF(n)-2/EWP(1) IJP(c) WW/BC

ACCESSION NR: AP5021855

UR/0280/65/000/004/0119/0125

32
B

AUTHOR: Levitin, V. F. (Moscow); Skripkin, V. A. (Moscow)
44 44

TITLE: The synthesis of correcting devices of linear systems for a given accuracy at a fixed instant of time

SOURCE: AN SSSR. Izvestiya. Tekhnicheskaya kibernetika, no. 4, 1965, 119-125

TOPIC TAGS: linear automatic control system, linear system, linear control system, control system stability
44

ABSTRACT: In the majority of cases the structure of the system under design and the distribution of its known loops as well as of the correcting ones (the parameters of which have to be determined) are given in advance. The authors show that for systems the accuracy of which is essential only at fixed instants of time, stationary circuits may be used as correcting loops securing the agreement of the characteristics of the projected system with their optimum values. The notion of equivalent systems having equal accuracies at a fixed instant of time is introduced and the properties of such equivalent systems are studied. Formulas for the determination of the transfer functions of stationary correcting loops are also derived. Orig. art. has: 33 formulas and 3 figures.

Card 1/2

L 2673-66

ACCESSION NR: AP5021855

ASSOCIATION: None

SUBMITTED: 24Mar64

ENCL: 00

SUB CODE: DP, IE

NO REF SOV: 002

OTHER: 002

KC
Card 2/2

21432-66 ENT(1)/ENT(m)/ENT(t) LIP(c) JD/AT

ACC NR: AP6002048

SOURCE CODE: GE/0030/65/012/002/K093/K095

AUTHOR: Emelyanenko, G. V.; Nasledov, D. N.; Sidorov, V. G.;
Skripkin, V. A.; Talalakin, G. N. 52
B

ORG: Physico-Technical Institute im. A. F. Ioffe, Academy of Sciences
SSSR, Leningrad

TITLE: ²¹ ~~Effective mass of electrons in n-GaAs~~ ²¹ ²¹

SOURCE: Physica status solidi, v. 12, no. 2, 1965, K93-K95

TOPIC TAGS: effective mass, Hall coefficient, thermoelectric power,
gallium arsenide, semiconductor

ABSTRACT: In order to determine directly the effective mass m^* of electron charge carriers, the authors made measurements of the Hall coefficient R_H and of the thermoelectric power L_H of semiconductors in strong magnetic fields $H \rightarrow \infty$ without quantization effect. In all four n-GaAs samples up to the fields 31 kg ($0 < \mu H/c < 3$) were measured. The Hall coefficient was found to be field-independent (± 2). The thermoelectric power L increased or decreased with H (the magnetic field strength). The calculation was made with the aid of the formula

$$L(H) - L(0) = L(H) = \frac{AH^2}{1 + BH^2}.$$

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L 1435-66

ACC NR: AP6002048

The effective mass of electrons is $0.072 m_0$ at the bottom of the band (pure samples 1 and 2 at low temperatures). For a deviation from the band from the parabolic shape, the effective mass of samples 1 and 2 (at all temperatures) $m^* = (0.070 \pm 0.002) m_0$ at the bottom of the band, being equal to effective masses obtained by other methods (Palik, E. D., Stevenson, J. R., and Wallis, R. F., Phys. Rev. 124, 701, 1961). The slightly higher value of m^* in more impure samples 3 and 4 may be due to the effect of the impurity band. The author presents tabulated data on effective mass values attained at various temperatures. Orig. art. has: 1 figure, 1 formula, 1 table. [LD]

SUB CODE: 20/ SUBM DATE: 23Oct65/ ORIG REF: 003/ OTH REF: 001

Card

2/2

UVR

ZOROKHOVICH, Aleksandr Yefimovich, kandidat tekhnicheskikh nauk; KOLOKOLOV, Aleksandr Aleksandrovich, inzhener; SKRIPKIN, Viktor Vasil'yevich, inzhener; OSADCHUK, G.I., inzhener, redaktor; KHITROV, P.A., tekhnicheskiy redaktor

[Trains refrigerated by machinery] Poezda s mashinnym okhlozhdeniem; ustroistvo i ekspluatatsiya. Moskva, Gos. transp. zhel-dor. izd-vo, 1956. 347 p.

(MLRA 10:3)

(Refrigerator cars)

NEKRUTMAN, Semen Veniaminovich; OSADCHUK, Grigoriy Ivanovich; SKRIPKIN, Viktor Vasil'yevich; TSARENKO, A.P., red.; BOBROVA, Ye.N., tekhn.red.

[Experience in transporting perishable freight; practices of the depot of refrigerated trains in the Moscow suburban station]
Opyt perevozki skoroportlashchikhsia грузов; iz praktiki depo refrižheratornykh poezdov stantsii Podmoskovnaia. Moskva, Gos. transp.zhél.-dor.izd-vo, 1959. 96 p. (MIRA 12:6)
(Railroads--Freight)

ZOROKHOVICH, Aleksandr Yefimovich; KOLOKOLOV, Aleksandr Aleksandrovich;
OSADCHUK, Grigoriy Ivanovich, inzh.; SKRIPKIN, Viktor Vasil'yevich;
SELIVANOV, V.I., inzh., retsenzent; KHITROV, P.A., tekhn. red.

[Trains with mechanical refrigeration; construction, operation, maintenance, and repair] Poezda s mashinnym okhlazhdeniem; ustroistvo, ekspluatatsiia i remont. Izd.2., perer. i dop. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1961. 371 p.
(Railroads--Electric equipment) (MIRA 14:11)

SKRIPKIN, Viktor Vasil'yevich; NEKRUTMAN, Semen Veniaminovich;

BELYASOVA, L.P., inzh., retsenzent; LYSENKO, N.Ye., inzh.,
retsenzent; BAKRADZE, Yu.M., inzh., retsenzent; SARANTSEV,
Yu.S., inzh., red.; USENKO, L.A., tekhn. red.

[Electric equipment of refrigerator cars] Elektrooborudo-
vanie izotermicheskogo podvizhnogo sostava. Moskva, Trans-
zheldorizdat, 1962. 294 p. (MIRA 15:9)

(Refrigerator cars—Electric equipment)

ANIKIN, S.V.; KRAYNOV, B.P.; KHRAMOV, V.I.; SKRIPKIN, V.V., inzh.,
retsenzent; BRAYLOVSKIY, N.G., inzh., red.; BOBROVA,
Ye.N., tekhn. red.

[Handbook for the mechanic of trains and multiple-unit
cars with machine refrigeration] Spravochnik mekhanika
poezdov i seksii s mashinnym okhlazhdeniem. Moskva,
Transzheldorizdat, 1963. 365 p. (MIRA 17:1)

ACC NR: AP7006028

SOURCE CODE: UR/0062/66/000/007/1292/1292

AUTHOR: Nesmeyanov, A. N.; Anisimov, K. N.; Kolobova, N. Ye.; Skripkin, V. V.

ORG: Institute of Heteroorganic Compounds, Academy of Sciences USSR (Institut elementoorganicheskikh soyedineniy AN SSSR)

TITLE: Bi- and polymetallic compounds with a Fe-Sn bond and their derivatives

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 7, 1966, 1292

TOPIC TAGS: organotin compound, organoiron compound

ABSTRACT: The reaction of SnCl_4 , $\text{C}_6\text{H}_5\text{SnCl}_3$, and $(\text{C}_6\text{H}_5)_2\text{SnCl}_2$ with

$\text{NaFe}(\text{CO})_2\text{C}_5\text{H}_5$ in tetrahydrofuran yielded $[\text{pi-C}_5\text{H}_5\text{Fe}(\text{CO})_2]_4\text{Sn}$ (I),

$[\text{pi-C}_5\text{H}_5\text{Fe}(\text{CO})_2]_3\text{SnC}_6\text{H}_5$ (II), and $[\text{pi-C}_5\text{H}_5\text{Fe}(\text{CO})_2]_2\text{Sn}(\text{C}_6\text{H}_5)_2$ (III).

Hydrochlorination of (II) and (III) in carbon tetra-chloride yielded the known $[\text{pi-C}_5\text{H}_5\text{Fe}(\text{CO})_2]_2\text{SnCl}_2$. The latter was used to prepare a series

of compounds with various functional groups on the tin atom. These colored compounds were characterized. Most were obtained in high or quantitative yields. Orig. art. has: 1 table. [JPRS: 38,967]

SUB CODE: 07 / SUBM DATE: 05May66 / OTH REF: 001

Card 1/1

UDC: 547.13 + 546.72 + 546.81

09270813

SERIPKIN, Yu.K., dotsent

Role of disorders of the glucocorticoid function of the adrenal cortex in the pathogenesis of neurodermatitis. Vest.derm. i ven. 38 no.5:10-15 My '64. (MIRA 18:12)

1. Kafedra kozhnykh i venericheskikh bolezney (zav. - prof. M.M.Zheltakov) II Moskovskogo meditsinskogo instituta imeni Pirogova. Submitted Sept. 7, 1963.

SKRIPKIN, Yu. K., Master Med Sci — (USSR) "The treatment of certain types of dermatosis by hypnotic suggestion and the conditioned-reflex methods." Moscow, 1957, 15 pp, (Second Moscow State Med Inst im. N. I. Pirogova), 200 copies (Kl., No 3), 1957, 97)

ZHEITAKOV, M.M.; ISAYEVA, L.D.; SKRIPKIN, Yu.K.

Effect of suggestion in hypnosis on arterial pressure. Sov.med. 21
no.5:100-103 My '57. (MIRA 10:7)

1. Iz kafedry kozhnykh i venericheskikh bolezney (zav. - prof. M.M.
Zheytakov) II Moskovskogo meditsinskogo instituta imeni I.V.Stalina.

(BLOOD PRESSURE,

eff. of suggestion in hypnotized patients (Rus))

(HYPNOSIS,

eff. of suggestion on arterial pressure in hypnotized
patients (Rus))

ZHELTAKOV, M.M., prof.; VINOKUROV, I.N., assistant; SKRIPKIN, Yu.K., assistant;
SOMOV, B.A., assistant

Hypnotic suggestion associated with electronarcosis in certain
dermatoses. Vest. dermat. i ven. 33 no.2:28-31 Mr-Apr '59. (MIRA 12:7)

1. Iz kafedry kozhnykh i venericheskikh bolezney (zav. - prof. M.M.
Zheltakov) II Moskovskogo meditsinskogo instituta imeni N.I. Pirogova.

(SUGGESTION, ther. use,

skin dis., hypnotic suggestion with electronarcosis (Rus))

(ELECTRONARCOSIS, in var. dis.

skin dis., with hypnotic suggestion (Rus))

(SKIN DISEASES, ther.

hypnotic suggestion with electronarcosis (Rus))

ZHELTAKOV, M.M., prof.; SKRIPKIN, Yu.K.; TISHCHENKO, L.D.

Treatment of organic neurodermatitis and prurigo nodularis with
intra-dermal injections of methylene blue solution in novocaine.
Vest.derm.i ven. no.7:33-37 '61. (MIRA 15:5)

1. Iz kafedry kozhnykh i venericheskikh bolezney II Moskovskogo
meditsinskogo instituta imeni N.I. Pirogova (zav. - prof. M.M.
Zheltakov).

(METHYLENE BLUE--THERAPEUTIC USE) (NOVOCAINE)
(SKIN--DISEASES)

GAVRILOVA, V.M.; SKRIPKIN, Yu.K.; SOMOV, B.A.; ABRAMOVA, Ye.I.

Selenium disulfide in the treatment of seborrhea, Vest.derm.i
ven. no.7:45-49 '61. (MIR: 15:5)

1. Kz kafedry kozhnykh i venericheskikh bolezney II Moskovskogo
meditsinskogo instituta imeni N.I. Pirogova (zav. - prof. M.M.
Zholtakov).

(SEBACEOUS GLANDS—DISEASES) (SELENIUM SULFIDE—THERAPEUTIC USE)

STUDENIKIN, M.Ya.; SKRIPKIN, Yu.K.

Erythromelalgia in children. Vop. okh. mat. i det. 6 no. 2:85-87
F '61. (MIRA 14:2)

1. Iz kliniki detskikh bolezney (zav. - zasluzhennyy deyatel'
nauki RSFSR prof. N.I. Osinovskiy [deceased]), i kliniki kozhnykh
i kliniki kozhnykh i venericheskikh bolezney (zav. - prof. M.M.
Zheltakov) II Moskovskogo meditsinskogo instituta imeni N.I.
Pirogova (dir. - dotsent M.G. Sirotkina).
(ERYTHROMELALGIA)

SKRIPKIN, Yu.K.; SOMOV, B.A.; VEDROVA, I.N.

Treatment of verruca plantaris, plana and vulgaris with Gordeev's
paste. Sov. med. 25 no.5:151-153 My '61. (MIRA 14:6)

1. Iz kafedry kozhnykh i venericheskikh bolezney (zav. - prof. M.M.
Zheltakov) II Moskovskogo meditsinskogo instituta imeni N.I.Pirogova
(dir. - dotsent M.G.Sirotkina).
(FOOT--TUMORS) (CYTOTOXIC DRUGS)

ZHELTAKOV, M.M., prof.; SHARAPOVA, G.Ya., assistant; SKRIPKIN, Yu.K.

Effect of hypnotherapy on the excretion of 17-ketosteroids in patients with diffuse neurodermatitis. Vest.derm.i ven. 35
no.1:13-17 Ja '61. (MIRA 14:3)

1. Iz kafedry kozhnykh i venericheskikh bolezney (zav. - prof. M.M. Zheltakov) II Moskovskogo gosudarstvennogo meditsinskogo instituta.

(HYPNOTISM--THERAPEUTIC USE)

(SKIN--DISEASES--PSYCHOSOMATIC ASPECTS)

SKRIPKIN, Yu.K., assistant

External use of corticosteroid hormones in treating circumscribed neurodermatitis and eczema. Sov.med. 25 no.1:110-115 Ja '62.

(MIRA 15:4)

1. Iz kafedry kozhnykh i venericheskikh bolezney II Moskovskogo meditsinskogo instituta imeni N.I.Pirogova (zav. - prof. M.M.Zheltakov)
(ADRENOCORTICAL HORMONES) (ECZEMA)
(LICHEN PLANUS)

ZHELTAKOV, Mikhail Mitrofanovich; SKRIPKIN, Yuriy Konstantinovich;
SOMOV, Boris Aleksandrovich; ASTATSATURGV, K.R., red.;
PARAKHINA, N.L., tekhn. red.;

[Electronarcosis and hypnosis in dermatology] Elektroson i
gipnoz v dermatologii. Moskva, Medgiz, 1963. 307 p.

(MIRA 16:9)

(DERMATOLOGY) (SLEEP THERAPY) (HYPNOTISM--THERAPEUTIC USE)

ZHELTAKOV, M.M., prof.; SKRIPKIN, Yu.K., dotsent; SOMOV, B.A.

Complex treatment of patients suffering from neurodermatitis, eczema and other dermatosis with hypnosis, electric sleep and corticosteroid preparations. Sovet. med. 27 no.9:59-63
S'63 (MIRA 17:2)

1. Iz kafedry kozhnykh i venericheskikh bolezney (zav. - prof. M.M.Zheltakov) II Moskovskogo meditsinskogo instituta imeni N.I.Pirogova.

SKRIPKIN, Yu.K.; GOL'DBERG, D.M.; SHENBAUM, E. Ya.

Treatment of trichomoniasis with trichomoacid. Med. paraz. i
paraz. bol. 32 no.1:87-88 Ja-F'63. (MIRA 16:10)

*

SKRIPKIN, Yu.K.; SHARAPOVA, G.Ya.; VEDROVA, I.N.

Treatment of trophic ulcers with cygerol. Vest.derm. i ven.
37 no.1:77-78 Ja'63. (MIRA 16:10)

1. Iz kafedry kozhnykh i venericheskikh bolezney (zav. - prof.
M.M.Zheltakov) II Moskovskogo meditsinskogo instituta imeni
N.I.Pirogova.

(ULCERS) (ACETIC ACID—THERAPEUTIC USE)

SANIPKIN, Yu.K., dotsent

Use of diacoline in pruritic dermatoses. Vest. dermat. i ven.
37 no.7:85-86 3 '63. (JIR 17:6)

1. Kafedra kozhnykh i venericheskikh bolezney (zav. - prof.
M.M. Zheltakov) II Moskovskogo meditsinskogo instituta imeni
N.I. Pirogova.

SKRIPKIN, Yu.K., dotsent

Treatment of some dermatoses. Sov. Med. 26 no.9:82-87 S '62.
(MIRA 17:4)

1. Iz kafedry kozhnykh i venericheskikh bolezney (zav. - prof.
M.M. Zheltakov) II Moskovskogo meditsinskogo instituta imeni
N.I. Pirogova.

SKRIPKIN, Yu.K., dotsent; SOMOV, B.A.; ABLETOVA, Ye.I.

Treatment of some dermatoses of the scalp with salsen. Sov.
med. 27 no.2:122-124 F '64. (MIRA 17:10)

1. Kafedra kozhnykh i venericheskikh bolezney (zav. - prof. M.M.
Zheltakov) II Moskovskogo meditsinskogo instituta imeni Pirogova.

SKRIPKIN, Yu.K.; KHONONOVA, O. Ye.

Treatment of granuloma annulare by ethyl chloride irrigation. Vest.
derm. i ven. 37 no.12:67-68 D '63 (MIRA 18:1)

1. Kafedra kozhnykh bolezney (zav. - prof. M.M. Zheltakov) II
Moskovskogo meditsinskogo instituta imeni N.I. Pirogova o
Moskovskiy gorodskoy kozhno-venerologicheskiy dispanser (glavnyy
vrach A.S. Obukhova).

SKRIPKIN, Yu.K., dozent.

Therapeutic experience in neurodermatitis of the anal and urogenital area. Vest. dermat. i ven. 38 no.8:40-46 Ag '64. (MIRA 18:8)

1. Kafedra kozhnykh i venericheskikh bolezney (zav.- prof. M.M. Zheltakov) II Moskovskogo meditsinskogo instituta imeni Pirogova.

GUR'YEV, A.N., kand.med.nauk; LISOVSKAYA, N.D., kand.med.nauk; SKRIPKIN, Yu.K.;
SOMOV, B.A.; GOL'DBERG, D.M.; LEBEDEV, B.M.

New drugs. Vest. dermat. i ven. 38 no.9:78-79 S '64.

(MIRA 18:4)

SHARAPOVA, G.Ya.; SKRIPKIN, Yu.K.

Comparative data on the functional state of the adrenal cortex
in eczema and neurodermatitis patients. Vest. dermat. i ven.
no.3:14-19 '65. (MIRA 18:11)

1. Kafedra kozhnykh i venericheskikh bolezney (zav. - prof.
M.M. Zheltakov) II Moskovskogo meditsinskogo instituta imeni
N.I. Pirogova.

SKRIPKIN, Yu.K.; RASSOVSKAYA, Z.Ye.

Treatment of restricted neurodermitis with Bucky's rays.
Sov. med. 28 no.10:139-142 O '65. (MIRA 18:11)

1. Kafedra kozhnykh i venericheskikh bolezney (zav.- prof.
M.M. Zheltakov) II Moskovskogo meditsinskogo instituta imeni
Pirogova i polikliniki imeni Semashko (glavnyy vrach T.A.
Smirnova).

1. HINT, ...

KATZMAN, A. L., and STERN, A. J. "A Method for Diagnosing Brain Toxic as a Result of Its Having Overlapped in the Field," Comptes Rendus (Séances) de l'Académie des Sciences 1943, vol. 27, 1943, pp. 435-437. III P44

30: CIA SI 10-03, 15 December 1993

RESHETNYAK, V.Z., doktor veterinarnykh nauk; PAKHOMOVA, N.G., veterinarnyy vrach;
LYUTOV, N.F., veterinarnyy vrach; SKRIPKINA, N.A., veterinarnyy vrach.

The tick *Hyalomma scupense* p.sch. as a vector of the pathogen of anaplasmosis
in cattle. Veterinariia 33 no.9:39-40 S '56. (MLRA 9:10)

1. Nevecherkasskiy zooloogicheskii institut.
(Anaplasmosis) (Ticks as carriers of disease)

RESHETIYAK, V.Z., prof.; PAKHOMOVA, N.G., veterinarnyy vrach;
SKRIPKINA, H.A., veterinarnyy vrach

Trichomoniasis in poultry. Veterinariia 37 no.9:41-44,
S '60. (MIRA 14:11)

1. Novocherkasskiy zooveterinarnyy institut.
(Trichomoniasis)
(Poultry—Diseases and pests)

SKRIPKINA, T. I.

"The establishment of systematic library catalogues"

report presented at a Conference on Library Cataloguing, Leningrad, Library of
AS USSR, 24-26 Apr 1958

SKRIPKINA, Z. G.

"Biochemical Properties of Toxic Millet," Biokhim., 10, No. 4, 1945. Mbr., Inst. Biochemistry im. A. N. Bakh, Dept. Biol. Sci., Acad. Sci., -1945-. Mbr., All-Union Inst. Grain Research, Moscos, -1945-.

"A Method for Diagnosing Grain Toxicity as a Result of Its Having Overwintered in the Field," Dok. AN, 47, No. 5, 1945.

KLATONSKI, J. L. and REBECCA, Z. J.

Mem., Institute Biochemistry im. A. N. Seleznev, Acad. Sci., -1945-.

"A Method for Diagnosing Brain Toxic as a Result of its having Over-wintered
in the Field," Dok. AN, 17, No. 7, 1945

SHUMILOVSKIY, N.N.; SKRIPKO, A.L.

Physical principles of amplitude-type nuclear magnetic resonance
devices. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 4 no.8:5-30
'62. (MIRA 16:6)

(Nuclear magnetic resonance)

BELYKH, I.G.; KUROLENI, O.A.; SKRIPKO, A.L.

Measurement of the moisture of a coal charge by the method of nuclear magnetic resonance. Zav.lab. 29 no.2:168-172 '63. (MIRA 16:5)

1. Moskovskiy energeticheskiy institut.

(Coal)

(Moisture)

(Nuclear magnetic resonance and relaxation)

L 45388-65 EWT(1)/EWT(m)/EPF(c)/EEC(t)/T/EWA(m)-2 PI-4 LJP(c) WW/SG

UR/0286/65/000/007/0129/0129

ACCESSION NR: AP5010943

AUTHORS: Skripko, A. L.; Korol', V. S.; Kovalev, G. V.

TITLE: Proton resonance hygrometer. Class 42, No. 169871

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 7, 1965, 129

TOPIC TAGS: moisture measurement, proton resonance

ABSTRACT: This Author Certificate presents a proton resonance hygrometer containing a permanent magnet, a nuclear magnetic resonance bridge detector, two narrow-band amplifiers tuned to discriminate the first and second harmonics of the NMR signal, and pointer type instruments. To increase the accuracy of measurements, the operating circuit of the amplitude bridge has a trimmer capacitor with a scale and a high-Q regenerator made according to the circuit of an underdriven generator. The generator scale determines the amount of negative resistance introduced into the circuit, which maintains the constant operation of the detector with change of the samples. To decrease the inherent noise in the amplitude bridge, two tuned amplifiers are connected at the inputs of the comparison circuit (see Fig. 1 on the Enclosure). One amplifier is connected in the voltage circuit of the operating circuit, and the second is connected in

Card 1/3

L 45388-65

ACCESSION NR: AP5010943

the balance unit circuit. Orig. art. has: 1 diagram.

ASSOCIATION: Institut avtomatiki, AN Kirgizskoy SSR (Institute of Automation,
AN Kirghiz SSR)

SUBMITTED: 30Dec63

ENCL: 01

SUB CODE: MT, NP

NO REF SOV: 000

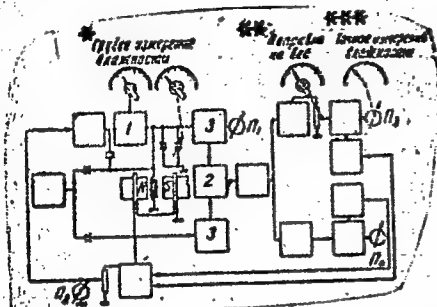
OTHER: 000

Card 2/3

L 45388-65

ACCESSION NR: AP5010943

ENCLOSURE: 01



* Coarse moisture measurement
 ** Correction for weight
 *** Accurate moisture measurement

Fig. 1. Proton resonance hygrometer

1- high-Q regenerator; 2- comparison circuit;
 3- amplifier

Card 3/3

L 46744-66

ACC NR: AR6014095

SOURCE CODE: UR/0272/65/000/011/0085/0086

28
B

AUTHOR: Skripko, A. L.

TITLE: Theory of an amplitude NMR-converter

SOURCE: Ref. zh. Metrologiya i izmeritel'naya tekhnika, Abs. 11.32.705

REF SOURCE: Sb. Fiz. metody avtomat. kontrolya. Frunze, Ilim, 1964, 24--38

TOPIC TAGS: nuclear magnetic resonance, moisture measurement

ABSTRACT: The theory of an NMR-converter, the basic element of which is an induction coil with the investigated substance placed inside it, is considered. A vector diagram is presented, allowing the interrelationship between the different coil parameters to be traced graphically. It follows from the diagram, in particular, that the effect of the emf developed at resonance is equivalent to the corresponding change in resistance. The method for constructing the circular diagram is used to investigate the dependence of the complex voltage drop at the coupled impedance on detuning from the resonance condition. Analysis of the procedural errors is carried out, and recommendations for increasing the accuracy

Card 1/2

UDC: 389:538.69.083.2:543.275.1.08

I. 167111-66

ACC NR: AR6014095

of measurements are given. The requirements imposed on the measuring circuit are analyzed. The theory of an NMR-converter as applied to NMR-hygrometers is considered. [Translation of abstract]

SUB CODE: 20, 09

card
Card 2/2

SKRIPKO, A.Ya.

~~_____~~
Audible signals for locomotive switching. Avtom., telem.
i sviaz' no.4:29-30 Ap '57. (MLRA 10:5)

1. Glavnyy inzhener sluzhby signalizatsii i svyazi Gor'kovskoy
dorogi.

(Railroads--Switching)

SKRIPKO, F.

Feeding swines from self-feeders. Mias.ind.27 no.6:31-33 '56.
(MLRA 10:2)

1. Upravlyayushchiy Kurganskoy oblastnoy skotozagotovitel'noy kontorov.
(Swine--Feeding and feeding stuffs)

SKRIPKO, F.

Work of procurement agents is improving. Mias. ind. SSSR 29
no.5:37-39 '58. (MIRA 11:10)

1. Kurganskaya oblastnaya skotozagorovitel'naya kontora.
(Kurgan Province--Meat industry)

SKRIPKO, F.

Use of antibiotics in the feeding of swine. Mias.ind.SSSR 31
no.1:37 '60. (MIRA 13:5)

1. Kurganskaya zagotovitel'no-otkormochnaya kontora.
(Kurgansk Province--Swine--Feeding and feeds)
(Antibiotics)

SCHUBERT, G.F., Inz. G. V. 1944, 1945.

Using synthetic diamond grinding wheels to maintain and
breaking grooves in cutting tools. "The Engineer" no. 1, 1946
J.G.F. 1946. (1946, 1947)

GKRIPKO, G.F.; GOL'DMAN, A.B.; DUBININ, P.G.; TIMOYAN, A.V.

Cutting germanium and silicon with disks having internal cutting
edges. Mashinostroitel' no.11:31-32 O '64.

(MIRA 17:11)

SKRIPKO, G. Ya.

Arterial blood transfusion in some pathological states in children.
Vop. okh. mat. i det. 6 no.8:35-37 Ag'61. (MIRA 15:1)

1. Iz khirurgicheskogo otdeleniya (zav. G.Ya.Skripko) Detskoy
gorodskoy klinicheskoy bol'nitsy (glavnyy vrach Ye.G. Krupko,
nauchnyy rukovoditel' raboty - prof. S.Ya.Doletskiy) g. Gor'kogo.
(BLOOD...TRANSFUSION) (CHILDREN...DISEASES)

SKRIPKO, G.Ya.

Treatment of suppurative pericarditis in children. Vop.okh.mat.1
det. 7 no.8:83-85 Ag '62. (MIRA 15:9)

1. Iz kafedry khirurgii detskogo vozrasta (zav. - prof. A.A.Dikova)
Gor'kovskogo meditsinskogo instituta imeni S.M.Kirova (rektor=
dotsent I.F.Matyushin) i Gorodskoy detskoy klinicheskoy bol'nitsy
(glavnyy vrach Ye.G.Krupko).
(PERICARDITIS)

BAKUL', V.N., kand. tekhn. nauk; ABRAMOV, A.S., inzh.; SKRIPKO, G.F., inzh.

Diamond consumption in machining various brands of hard alloys.
Mashinostroenie no.1:97-99 Ja-F '63. (MIRA 16:7)

(Diamonds, Industrial) (Metal cutting)

GUTKIN, Ye.S.; SKRIPKO, I.L.

X-ray method of determining the quantitative ratio of
aluminum monohydrates in Devonian bauxites. Sov. geol. 6
no.5:133-138 My '63. (MIRA 16:6)

1. Severoural'skaya kompleksnaya geologorazvedochnaya
ekspeditsiya. (Aluminum oxide) (Bauxite)

SKRIPKO, I.M.

Incomplete rupture of the uterus during the 32d week of pregnancy.
Akush. i gin. 32 no.6:78 N-D '56. (MIRA 10:11)

1. Iz akushersko-ginekologicheskogo otdeleniya (zav. I.M.Skripko)
Shostkinskoy gorodskoy bol'nitsy.
(UTERUS--RUPTURE)

SKRIPKO, I.M.

A case of spontaneous healing of a vesicovaginal fistula in rupture of the uterus. Akush. i gin. 34 no.3:105 My-Je '58. (MIRA 11:6)

1. Iz akushersko-ginekologicheskogo otdeleniya (zav. I.M.Skripko) Shostkinskoy gorodskoy bol'nitsy No.1 Sumskoy oblasti.

(UTERUS, rupt.

in labor, postop. vesicovaginal fistula with spontaneous healing (Rus))

(LABOR, compl.

uterus rupt., postop. vesicovaginal fistula with spontaneous healing (Rus))

(FISTULA, VESICOVAGINAL, case reports

postop. after uterus rupt. in labor, spontaneous healing (Rus))

KUKIBNYY, A.A., kandidat tekhnicheskikh nauk; SKRIPKO, I.S., assistant;
SPITSYN, N.A.A., professor, doktor tekhnicheskikh nauk; IVANOV, Ye.A.,
kandidat tekhnicheskikh nauk

"Machine parts." V.S. Poliakov and others. Reviewed by A.A. Kukibnyi
and others. Vest. mash. 35 no. 8:86-89 Ag'55. (MLRA 8:10)
(Machinery) (Poliakov, V.S.) (Kudriavtsev, V.N.)

3-5-9/38

AUTHORS: Bortnovskiy, K.A., Broydo, B.Ye., Kukibnyy, A.A., Candidates of Technical Sciences, Dotsents, and Skripko, I.S., Assistant

TITLE: Questions of Instruction Relating to Courses on "Machine Parts" (Voprosy prepodavaniya kursa "detali mashin")

PERIODICAL: Vestnik vysshey shkoly, 1957, Nr 5, pp 31-32 (USSR)

ABSTRACT: The actual program for courses relating to machine parts for machine building and mechanical specialties provides a correct list of questions to be studied. The author proposes, however, to exclude from the program various sections, which may be studied in special courses. Some of the participants of the discussion pointed out that various questions have already been treated in the courses such as "Strength of Materials", "The Theory of Mechanisms and Machines" and "The Technology of Metals".

As to the importance of a qualified teaching staff, the author states that assistants occupied with the practical and laboratory work and with courses of planning have as important a part as the lecturers. It is an error to believe that any engineer with some industrial practice, may hold the

Card 1/3

3-5-9/38

Questions of Instruction Relating to Courses on "Machine Parts"

ASSOCIATION: The Kiyev Technological Institute of Food Industry imeni
A.I. Mikoyan (Kiyevskiy tekhnologicheskij institut pishchevoy
promyshlennosti imeni A.I. Mikoyana)

AVAILABLE: Library of Congress

Card 3/3

SKRIPKO, I.S.; POPOV, V.D.

Equation for calculating the time of crystallization in a vacuum apparatus. Sakh.prom. 37 no.11:24-28 N '63. (MIRA 16:11)

1. Kiyevskiy tekhnologicheskoy institut pishchevoy promyshlennosti im. Mikoyana.

SKRIPKO, I. S.

Calculating the technological indices of sugar crystallization
in vacuum apparatus. Izv.vys.ucheb.zav.; pishch.tekh.no. 2:
130-133 '64. (MIRA 17:5)

1. The first of the two main points of the report is that the

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VOLKOVA, A.N.; SKRIPKO, K.A.; VISHNEVSKIY, L.Kh.

Bauxites in the karst of the Moscow region. Lit. i pol. iskop.
no.6:108-112 N-D '64. (MIRA 18:3)

1. Moskovskiy gosudarstvennyy universitet.

KRESHKOV, A.P.; BYKOVA, L.N.; SKRIPKO, L.A.; FEVZNER, I.D.

Differentiated determining of diamines used as rubber stabilizers
with the method of titration in nonaqueous solutions. Kauch. i rez.
23 no.12:47-50 D '64. (MIRA 18:2)

1. Moskovskiy khimiko-tekhnologicheskii institut im. D.I.
Mendeleyeva i Nauchno-issledovatel'skiy institut khimikatov
dlya polimernykh materialov.

NEYMAN, M.B.; MEDZHIDOV, A.A.; ROZANTSEV, E.G.; SKRIPKO, L.A.

New reaction for forming stable Würster salts.
Dokl. AN SSSR 154 no.2:387-390 Ja'64.

(MIRA 17:2)

1. Institut khimicheskoy fiziki AN SSSR. Predstavleno
akademikom A.A. Balandinym.

L 55236-65 EWT(m)/EPF(c)/EWP(j)/EWA(c) Pc-4/Pr-4 RPL JW/RM
 ACCESSION NR: AP5015565 UR/0286/65/000/008/0144/0144

AUTHORS: Skripko, L. A.; Glyadelova, V. G.

TITLE: A method for obtaining N,N'-di-(C₇ - C₉)-alkyl-n-phenylenediamine. Class 12,
 No. 150521 ¹⁵

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 8, 1965, 144

TOPIC TAGS: phenylenediamine, alkylation, catalyst, aliphatic alcohol, fuel,
 polyethylene, inhibitor, rubber

ABSTRACT: This Author Certificate presents a method for obtaining N,N'-di-(C₇ - C₉)-alkyl-n-phenylenediamine by alkylating N-phenylenediamine at a high temperature in the presence of a catalyst. To simplify the technique of the process, a mixture of aliphatic alcohols C₇ - C₉ of normal structure is used as the alkylating agent, and Ni-rhenium as the catalyst. The product obtained by the above method may be used as a motor fuel stabilizer, as the thermostabilizer of a low-pressure polyethylene, and as an inhibitor of the nitrogen aging of rubber. ¹⁵

ASSOCIATION: none

Card 1/2

L 55236-65

ACCESSION NR: AP5015565

SUBMITTED: 25Dec61

ENCL: 00

SUB CODE: 00

NO REF SOV: 000

OTHER: 000

Card 2/2

L 1126-66 EWT(m)/EPF(c)/EWP(j) RM

ACCESSION NR: AP5022936

UR/0062/65/000/008/1481/1483
541.6+542.943

AUTHOR: Yasina, L. L.; Miller, V. B.; Shlyapnikov, Yu. A.; Skripko, L. A.

TITLE: Mechanism for the inhibition of the polypropylene oxidation process by tetramethoxydiphenylnitroxide

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 8, 1965, 1481-1483

TOPIC TAGS: polypropylene plastic, oxidation, inhibitor

ABSTRACT: The mechanism of inhibition of polypropylene oxidation by 2,2',4,4'-tetramethoxydiphenylnitroxide, $(CH_3O)_2C_6H_3-NO-C_6H_3(OCH_3)_2$, was studied at 200°C and 300 mm Hg of oxygen pressure. The object of the study was to define the active oxidation inhibiting species. The polypropylene used had a characteristic viscosity $\eta = 3.8$ and a molecular weight equal to 150,000. The dependence of the induction period of polypropylene oxidation upon inhibitor concentration is shown in fig. 1 of the Enclosure. The UV absorption spectra are shown in fig. 2 of the Enclosure. The changes in induction period and UV absorption spectra indicate that

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L 1126-66

ACCESSION NR: AP5022936

2,2',4,4'-tetramethoxydiphenylamine is the actual oxidation inhibitor for propylene stabilized with 2,2',4,4'-tetramethoxydiphenylnitroxide. One molecule of amine is formed from two molecules of nitroxide. Formation of amine is completed within 1-2 minutes from the beginning of the oxidation process and it is reflected in a rapid decline of the polypropylene molecular weight. , Orig. art. has: 3 figures.

ASSOCIATION: Institut khimicheskii fiziki Akademii nauk SSSR (Institute of Chemical Physics, Academy of Sciences, SSSR)

SUBMITTED: 23Nov64

ENCL: 02

SUB CODE: CC, OC

NO REF SOV: 005

OTHER: 003

Card 2/4

L 1126-66

ACCESSION NR: AP5022936

ENCLOSURE: 01

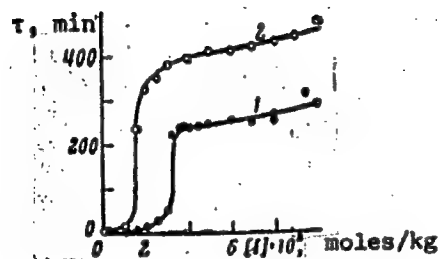


Fig. 1. 1--2,2',4,4'-tetramethoxydiphenylnitroxide;
2--2,2',4,4'-tetramethoxydiphenylamine.

Card 3/4

L 1126-66

ACCESSION NR: AP5022936

ENCLOSURE: 02

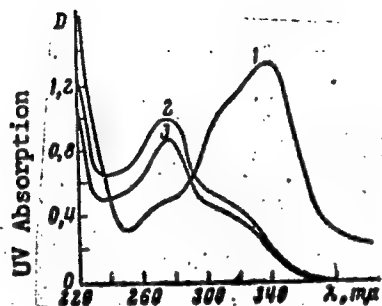


Fig. 2. 1--2,2',4,4'-tetramethoxydiphenylnitroxide; 2--product distilled out of polypropylene stabilized with tetramethoxydiphenylnitroxide after 15 min oxidation; 3--2,2',4,4'-tetramethoxydiphenylamine.

Card 4/4

1 13883-06 EIT()/EIP()/T WJ/DJ/RM/VE

Acc NR: AP6005518

SOURCE CODE: UR/0080/66/039/001/0200/0203

AUTHOR: Kreshkov, A. P.; Bykova, L. N.; Pevzner, I. D.; Skripko, L. A.

52

B

ORG: Moscow Chemical Technology Institute im. D. I. Mendeleev (Moskovskiy khimiko-tekhnologicheskii institut); Scientific Research Institute of Chemicals for Polymeric Materials (Nauchno-issledovatel'skiy institut khimikatov dlya polimernykh materialov)

TITLE: Synthesis and analysis of secondary aromatic diamines used as stabilizers of polymeric materials

15

SOURCE: Zhurnal prikladnoy khimii, v. 39, no.1, 1966, 200-203

TOPIC TAGS: stabilizer additive, fuel additive, lubricant additive, quantitative analysis

ABSTRACT: A preparative method has been developed for synthesizing p-phenylenediamine derivatives from N-phenyl-p-phenylenediamine. It is noted that such derivatives are suitable as stabilizers for polymeric materials, motor fuels, and lubricating oils. N-heptyl-, N-octyl-, and N-nonyl-N'-phenyl-p-phenylenediamine were prepared by alkylation of N-phenyl-p-phenylenediamine with the appropriate alcohol in the presence of Raney nickel catalyst at 130—156C in 95.8—97.8% yields (based on the amine). Melting points after recrystallization were 49—50, 52—53, and 54—55C, respectively. A method of analysis was also developed for intermediate products containing mixtures of N-phenyl-p-phenylenediamine and N-alkyl-N'-phenyl-p-phenylenediamines. The method

Card 1/2

UDC: 547.553.1/.2

L 13883-66

ACC NR: AP6005518

0
involves determination of primary and secondary amino groups of aromatic amines by titration after treatment with salicylaldehyde in a medium such as alcohols, ketones, or a 4/1 chloroform—methyl ethyl ketone mixture. The method is based on the fact that reaction products of primary amino groups with salicylaldehyde are less alkaline than the secondary amino group reaction products. Orig. art. has: 2 figures. [SM]

SUB CODE: 21

SUBM DATE: 18Dec64/. ORIG REF: 004/ OTH-REF: 009/ ATD PRESS:

4193

58
2/2

SKRIPKO, N., marshal aviatsii

Flight under difficult meteorological conditions. Av.1 kosm. 45
no.2:6-13 F '63. (MIRA 16:2)
(Aeronautics—Flight) (Meteorology in aeronautics)

KOZ'MIN, M.I., SERIPKO, S.A.

Chemically softened water to be used in silvering glass. Stek.
1 ker. 17 no.6:39-41 Je '60. (MIRA 13:6)
(Mirrors) (Water, Distilled)

USSR/Pharmacology - Toxicology - Chelating Agents.

V

Abs Jour : Ref Zhur Biol., No 4, 1959, 18642

Author : Skripko, T.V.

Inst : Gorkiy Medical Institute

Title : Massive Doses of Vitamin B₁₂ in Complex Treatment of the Acute Phase of Poliomyelitis.

Orig Pub : Tr. Kliniki nervn. bolezney, Gor'kovsk. med. in-t, 1958, vyp. 1, 21-25

Abstract : Of 24 children from 5 months - 15 years with various forms of poliomyelitis, who received vitamin B₁₂ (12-15 injections of 1000 gamma each daily independent of age) complete recovery took place in 11 and considerable improvement in 11. It was noted that in the indicated doses, B₁₂ arrests the development of paralysis, limits the development of atrophies and manifests an analgesic

Card 1/2

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Gor'kovskogo meditsinskogo instituta i detskoy gorodskoy klinicheskoy
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